

Connecting via Winsock to STN

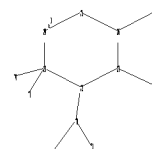
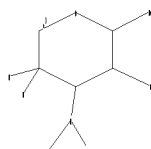
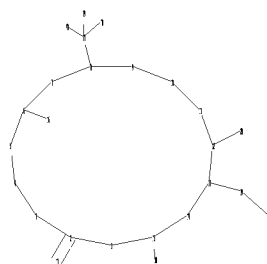
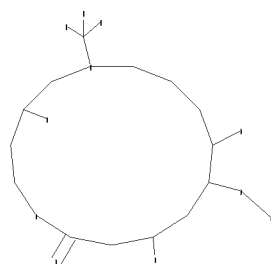
Welcome to STN International! Enter x:x

FILE 'HOME' ENTERED AT 11:13:57 ON 09 MAR 2011

=> file reg

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Uploading C:\Program Files\Stnexp\Queries\10580872\rce.str



```

chain nodes :
16 17 18 19 20 21 28 29 30 31 32 33 34 37 38 39 40
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 22 23 24 25 26 27
chain bonds :
2-17 6-16 8-37 12-20 13-19 15-18 19-21 22-30 23-33 23-34 26-28 27-29
30-31 30-32 37-38 37-39 37-40
ring bonds :
1-2 1-15 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
14-15 22-23 22-27 23-24 24-25 25-26 26-27
exact/norm bonds :
1-2 1-15 2-3 2-17 3-4 4-5 5-6 6-7 6-16 7-8 8-9 8-37 9-10 10-11 11-12
12-13 12-20 13-14 13-19 14-15 15-18 19-21 22-23 22-27 22-30 23-24 24-25
25-26 26-27 27-29 30-31 30-32

```

exact bonds :
23-33 23-34 26-28 37-38 37-39 37-40

G1:H, [*1]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:CLASS
29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 37:CLASS 38:CLASS
39:CLASS 40:CLASS

L3 STRUCTURE UPLOADED

=> s l3

SAMPLE SEARCH INITIATED 11:16:44 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 502 TO ITERATE

100.0% PROCESSED 502 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8696 TO 11384
PROJECTED ANSWERS: 1 TO 80

L4 1 SEA SSS SAM L3

=> s l3 full

FULL SEARCH INITIATED 11:17:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9509 TO ITERATE

100.0% PROCESSED 9509 ITERATIONS 13 ANSWERS
SEARCH TIME: 00.00.01

L5 13 SEA SSS FUL L3

=> file caplus

=> s l5

L6 11 L5

=> d l6 1-11 ibib hitstr

L6 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2011:22550 CAPLUS

DOCUMENT NUMBER: 154:173405

TITLE: Modeling Cellular Pharmacokinetics of 14- and
15-Membered Macrolides with Physicochemical Properties
AUTHOR(S): Stepanic, Visnja; Kostrun, Sanja; Malnar, Ivica;
Hlevnjak, Mario; Butkovic, Kristina; Caleta, Irena;
Duksi, Marko; Kragol, Goran; Makaruha-Stegic, Oresta;

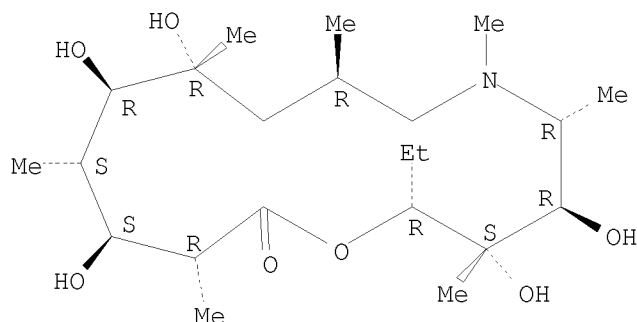
Mikac, Lara; Ralic, Jovica; Tatic, Iva; Tavcar, Branka; Valko, Klara; Zulfikari, Selvira; Munic, Vesna
 CORPORATE SOURCE: GlaxoSmithKline Research Centre Zagreb Ltd., Zagreb, HR-10000, Croatia
 SOURCE: Journal of Medicinal Chemistry (2011), 54(3), 719-733
 CODEN: JMCMAR; ISSN: 0022-2623
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal; (online computer file)
 LANGUAGE: English
 IT **117693-42-2** **1262866-45-4**

RL: PKT (Pharmacokinetics); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (modeling pharmacokinetics of 14- and 15-membered macrolides with physicochem. properties)

RN 117693-42-2 CAPLUS

CN 1-Oxa-6-azacyclopentadecan-15-one,
 2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,
 (2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)- (CA INDEX NAME)

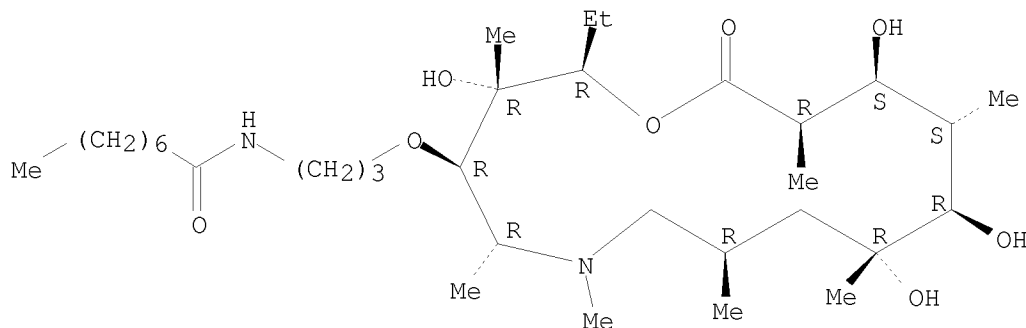
Absolute stereochemistry.



RN 1262866-45-4 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.



REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2006:412088 CAPLUS

DOCUMENT NUMBER: 144:450549

TITLE: Conjugates with anti-inflammatory activity

INVENTOR(S): Mercep, Mladen; Mesic, Milan; Tomaskovic, Linda;

PATENT ASSIGNEE(S): Markovic, Stribor; Poljak, Visnja; Sijan, Gordana; Selmani, Selvira
 SOURCE: Pliva-Istrazivacki Institut D.O.O., Croatia
 PCT Int. Appl., 79 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006046123	A2	20060504	WO 2005-IB3213	20051027
WO 2006046123	A3	20060706		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005298312	A1	20060504	AU 2005-298312	20051027
CA 2585711	A1	20060504	CA 2005-2585711	20051027
EP 1805202	A2	20070711	EP 2005-824103	20051027
EP 1805202	B1	20091230		
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CN 101090908	A	20071219	CN 2005-80045145	20051027
BR 2005017024	A	20080325	BR 2005-17024	20051027
JP 2008517993	T	20080529	JP 2007-538531	20051027
AT 453658	T	20100115	AT 2005-824103	20051027
ES 2337915	T3	20100430	ES 2005-824103	20051027
EP 2196469	A1	20100616	EP 2009-75144	20051027
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, HR				
ZA 2007002579	A	20080827	ZA 2007-2579	20070328
IN 2007DN02459	A	20070504	IN 2007-DN2459	20070402
MX 2007005073	A	20070625	MX 2007-5073	20070426
KR 2007083811	A	20070824	KR 2007-7009486	20070426
US 20090048221	A1	20090219	US 2007-718505	20070502
NO 2007002684	A	20070711	NO 2007-2684	20070525
PRIORITY APPLN. INFO.:			US 2004-623154P	P 20041027
			EP 2005-824103	A3 20051027
			WO 2005-IB3213	W 20051027

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): CASREACT 144:450549; MARPAT 144:450549

IT **117693-42-2P** **885313-46-2P**

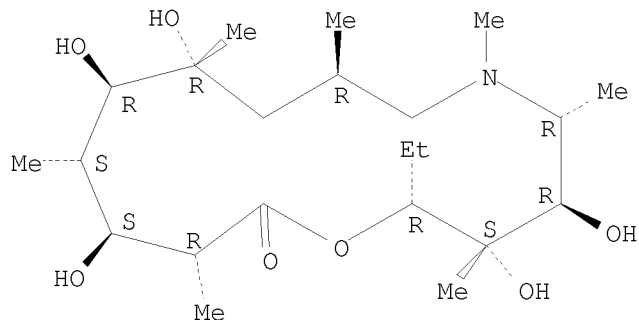
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of steroid and NSAID conjugates with macrolides for therapeutic use in the treatment of inflammatory and immune disorders)

RN 117693-42-2 CAPLUS

CN 1-Oxa-6-azacyclopentadecan-15-one,
 2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,
 (2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)- (CA INDEX NAME)

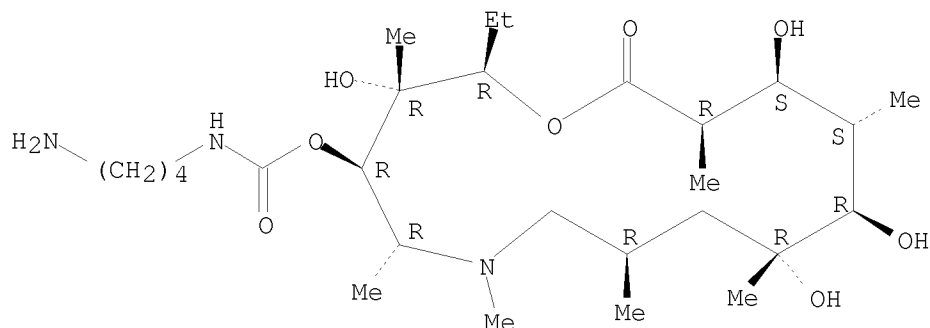
Absolute stereochemistry.



RN 885313-46-2 CAPLUS

CN Carbamic acid, (4-aminobutyl)-, (2R,3R,4R,5R,8R,10R,11R,12S,13S,14R)-2-ethyl-3,10,11,13-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadec-4-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2003:901493 CAPLUS

DOCUMENT NUMBER: 140:241166

TITLE: Electrochemical oxidation of azithromycin and its derivatives

AUTHOR(S): Mandic, Zoran; Weitner, Zlatko; Ilijas, Marina

CORPORATE SOURCE: PLIVA Research Division, Zagreb, HR-10000, Croatia

SOURCE: Journal of Pharmaceutical and Biomedical Analysis
(2003), 33(4), 647-654

CODEN: JPBADA; ISSN: 0731-7085

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

IT **117693-42-2**

RL: ANT (Analyte); ANST (Analytical study)

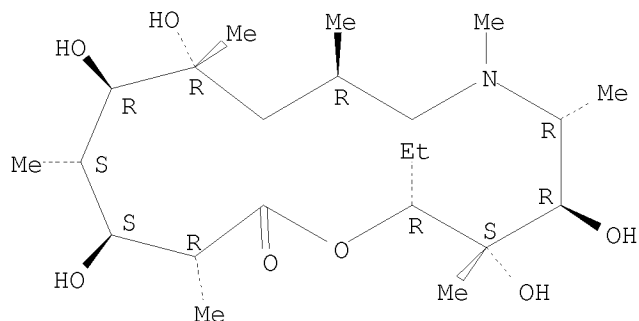
(electrochem. oxidation of azithromycin and its derivs.)

RN 117693-42-2 CAPLUS

CN 1-Oxa-6-azacyclopentadecan-15-one,
2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,

(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 15 THERE ARE 15 CAPLUS RECORDS THAT CITE THIS
RECORD (15 CITINGS)
REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2003:678606 CAPLUS

DOCUMENT NUMBER: 139:197709

TITLE: macrolide erythromycin conjugates of biologically
active compounds, methods for their preparation and
use, formulation, and pharmaceutical applications
thereof

INVENTOR(S): Burnet, Michael; Guse, Jan-Hinrich; Gutke,
Hans-Jurgen; Beck, Albert; Tsotsou, Georgia;
Droste-Borel, Irina; Reichert, Jeannette; Luyten,
Kattie; Busch, Maximilian; Wolff, Michael; Khobzaoui,
Moussa; Margutti, Simona; Meindl, Thomas; Kim, Gene;
Barker, Laurence

PATENT ASSIGNEE(S): Sympore G.m.b.H., Germany

SOURCE: PCT Int. Appl., 183 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003070174	A2	20030828	WO 2003-US4609	20030214
WO 2003070174	A3	20031113		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2476423	A1	20030828	CA 2003-2476423	20030214
AU 2003219770	A1	20030909	AU 2003-219770	20030214
AU 2003219770	B2	20081009		

EP 1483277	A2	20041208	EP 2003-716044	20030214
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
NZ 535354	A	20080131	NZ 2003-535354	20030214
IL 163552	A	20101130	IL 2003-163552	20030214
IN 2004CN01815	A	20060616	IN 2004-CN1815	20040813
HR 2004000850	A2	20050831	HR 2004-850	20040915
US 20050171342	A1	20050804	US 2005-504787	20050324
PRIORITY APPLN. INFO.:			US 2002-357434P	P 20020215
			US 2003-367105	A 20030214
			WO 2003-US4609	W 20030214

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 139:197709

IT **586411-32-7P** **586411-59-8P** **586412-18-2P**

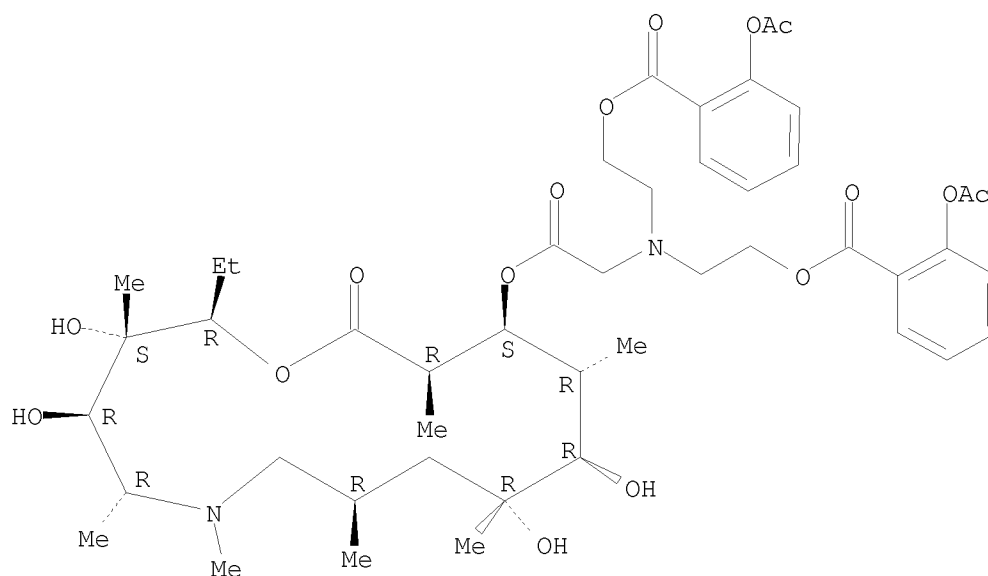
RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(macrolide erythromycin conjugates of biol. active compds. methods for their preparation and use formulation and pharmaceutical applications thereof)

RN 586411-32-7 CAPLUS

CN Benzoic acid, 2-(acetyloxy)-, [[2-[[[(2R,3S,4R,5R,8R,10R,11R,12R,13S,14R)-2-ethyl-3,4,10,11-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadec-13-yl]oxy]-2-oxoethyl]imino]di-2,1-ethanediyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 586411-59-8 CAPLUS

CN 4-Hexenoic acid, 6-(1,3-dihydro-4-hydroxy-6-methoxy-7-methyl-3-oxo-5-isobenzofuranyl)-4-methyl-, 2-[[2-[[[(2R,3S,4R,5R,8R,10R,11R,12R,13S,14R)-2-ethyl-3,4,10,11-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadec-13-yl]oxy]-2-oxoethyl]amino]ethyl ester, (4E)- (CA INDEX NAME)

Absolute stereochemistry.

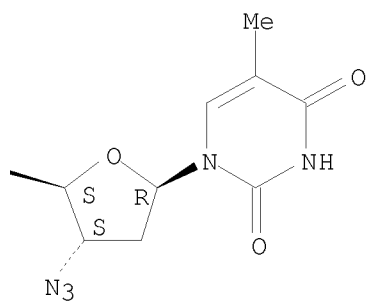
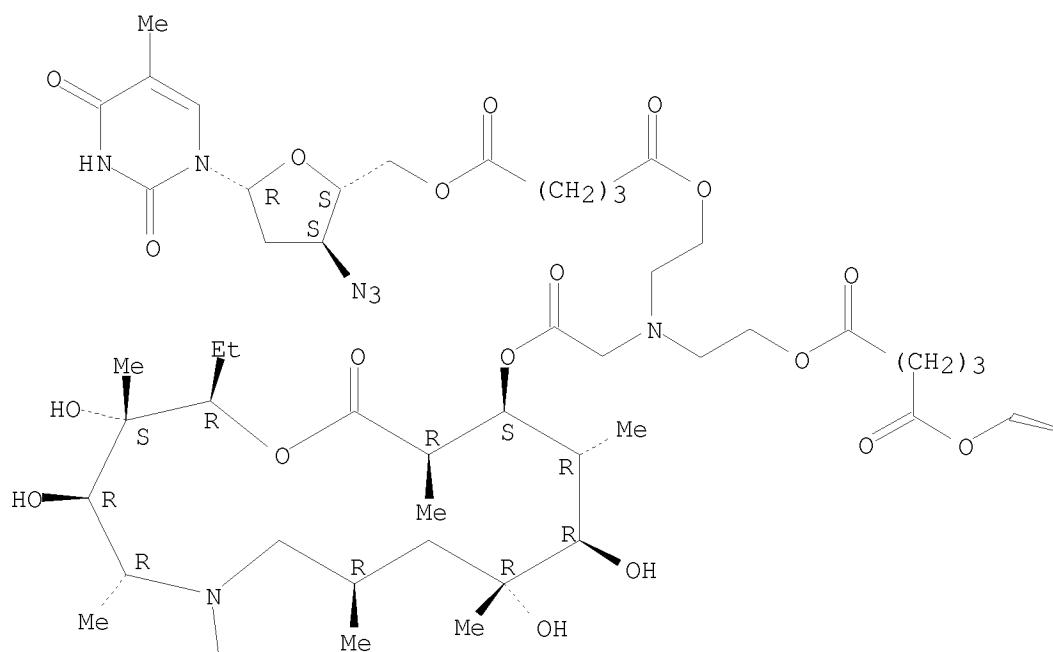
Double bond geometry as shown.

The chemical structure shows a complex molecule with a quaternary nitrogen atom (N) bonded to a methyl group (Me) and four other groups. The structure includes several stereocenters marked with 'R' and 'S' configurations. Key features include:

- A quaternary nitrogen atom (N) bonded to a methyl group (Me) and four other groups.
- A stereocenter (R) bonded to a methyl group (Me) and a hydroxyl group (HO).
- A stereocenter (R) bonded to a hydroxyl group (OH) and a hydrogen atom (H).
- A stereocenter (R) bonded to a methyl group (Me) and a hydrogen atom (H).
- A stereocenter (S) bonded to a hydroxyl group (HO) and a methyl group (Me).
- A stereocenter (R) bonded to a hydrogen atom (H) and an ethyl group (Et).
- A carbonyl group (C=O) bonded to an oxygen atom (O).

CN Thymidine, 3'-azido-3'-deoxy-, 5',5'''-[[[2-
[[(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-2-ethyl-3,4,10,11-tetrahydroxy-
3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadec-13-yl]oxy]-2-
oxoethyl]imino]di-2,1-ethanediyl dipentanedioate] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



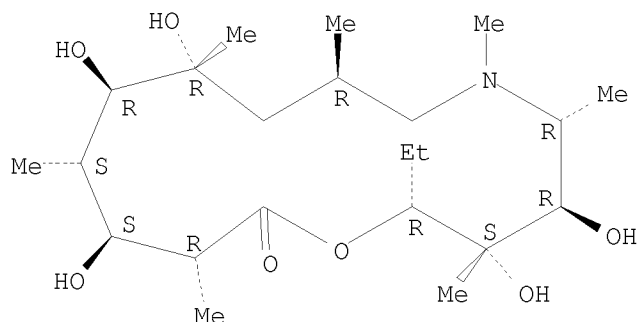
IT **117693-42-2P** **586412-21-7P** **586412-23-9P**
 RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(macrolide erythromycin conjugates of biol. active compds. methods for their preparation and use formulation and pharmaceutical applications thereof)

RN 117693-42-2 CAPLUS

CN 1-Oxa-6-azacyclopentadecan-15-one,
2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,
(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)- (CA INDEX NAME)

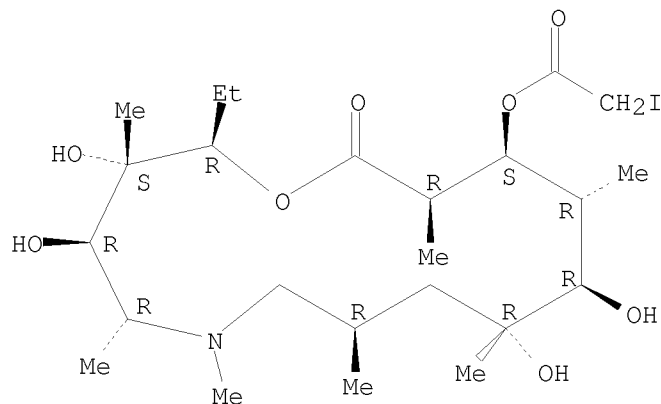
Absolute stereochemistry.



RN 586412-21-7 CAPLUS

CN Acetic acid, 2-iodo-, (2R,3S,4R,5R,8R,10R,11R,12R,13S,14R)-2-ethyl-3,4,10,11-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadec-13-yl ester (CA INDEX NAME)

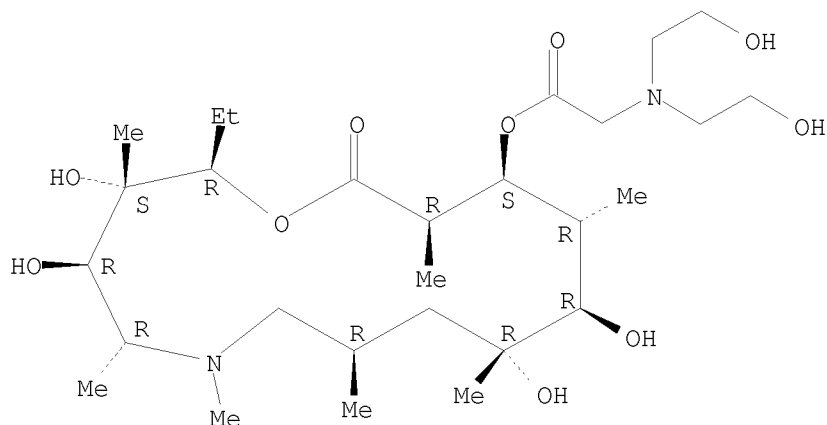
Absolute stereochemistry.



RN 586412-23-9 CAPLUS

CN Glycine, N,N-bis(2-hydroxyethyl)-, (2R,3S,4R,5R,8R,10R,11R,12R,13S,14R)-2-ethyl-3,4,10,11-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadec-13-yl ester (CA INDEX NAME)

Absolute stereochemistry.



IT **586411-61-2**

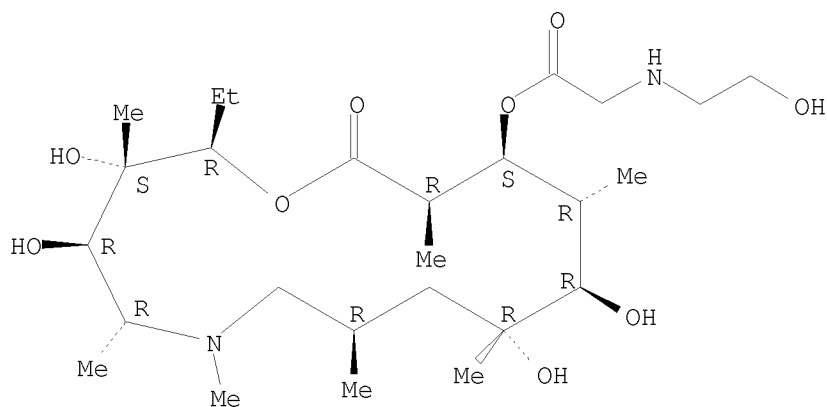
RL: RCT (Reactant); RACT (Reactant or reagent)

(macrolide erythromycin conjugates of biol. active compds. methods for their preparation and use formulation and pharmaceutical applications thereof)

RN 586411-61-2 CAPLUS

CN Glycine, N-(2-hydroxyethyl)-, (2R,3S,4R,5R,8R,10R,11R,12R,13S,14R)-2-ethyl-3,4,10,11-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadec-13-yl ester (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2003:678605 CAPLUS

DOCUMENT NUMBER: 139:197708

TITLE: macrolide erythromycin conjugates of biologically active compounds, methods for their preparation and use, formulation, and pharmaceutical applications thereof

INVENTOR(S): Burnet, Michael; Guse, Jan-Hinrich; Kim, Gene; Beck, Albert; Tsotsou, Georgia; Droste-Borel, Irina; Barker, Laurence; Wolff, Michael; Gutke, Hans-Jurgen

PATENT ASSIGNEE(S): Sympore G.m.b.H., Germany

SOURCE: PCT Int. Appl., 164 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003070173	A2	20030828	WO 2003-US4596	20030214
WO 2003070173	A3	20031204		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003215245	A1	20030909	AU 2003-215245	20030214
US 20040005641	A1	20040108	US 2003-367624	20030214
EP 1483579	A2	20041208	EP 2003-711061	20030214
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IN 2004CN01809	A	20060224	IN 2004-CN1809	20040813
HR 2004000849	A2	20050831	HR 2004-849	20040915
US 20060099660	A1	20060511	US 2005-504786	20050929
US 20080145343	A1	20080619	US 2007-895295	20070823
US 20090093014	A1	20090409	US 2008-157937	20080612
PRIORITY APPLN. INFO.:			US 2002-357589P	P 20020215
			US 2003-367624	B1 20030214
			WO 2003-US4596	W 20030214
			US 2005-504786	B1 20050929

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 139:197708

IT **586411-32-7P** **586411-59-8P** **586412-18-2P**

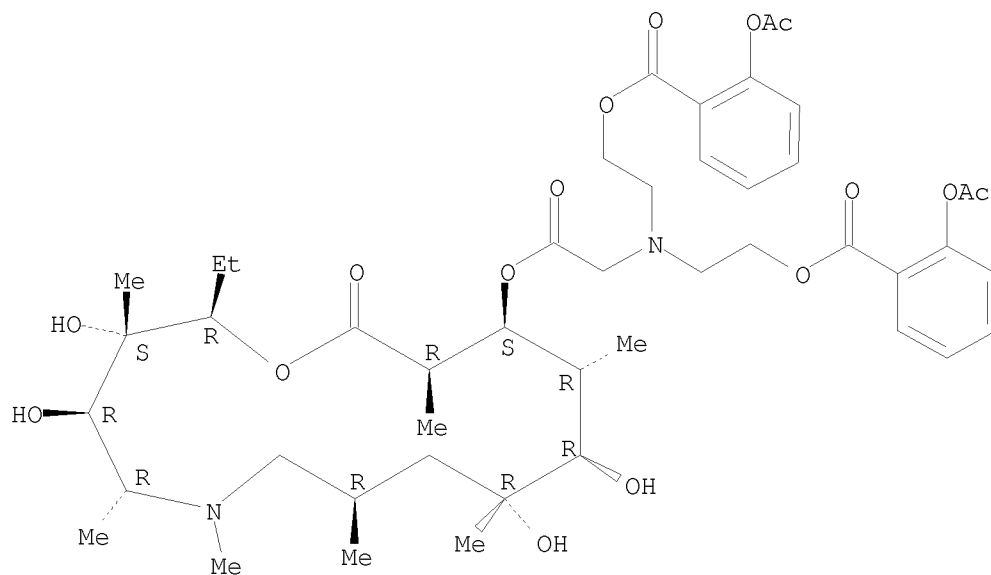
RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(macrolide erythromycin conjugates of biol. active compds. methods for their preparation and use formulation and pharmaceutical applications thereof)

RN 586411-32-7 CAPLUS

CN Benzoic acid, 2-(acetyloxy)-, [[2-[[[(2R,3S,4R,5R,8R,10R,11R,12R,13S,14R)-2-ethyl-3,4,10,11-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadec-13-yl]oxy]-2-oxoethyl]imino]di-2,1-ethanediyl ester (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

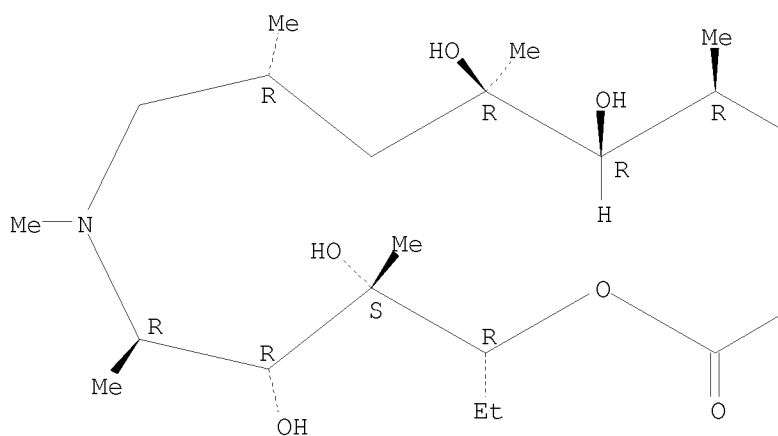


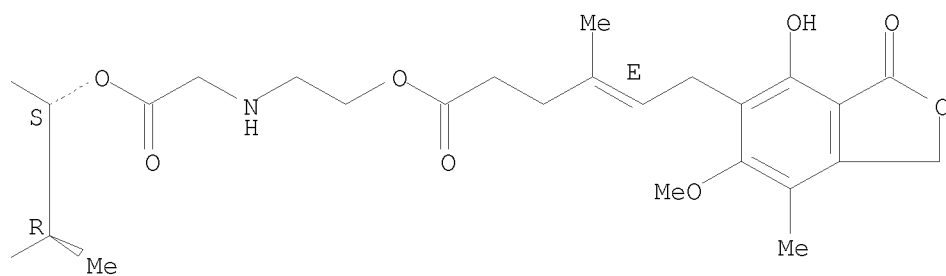
RN 586411-59-8 CAPLUS

CN 4-Hexenoic acid, 6-(1,3-dihydro-4-hydroxy-6-methoxy-7-methyl-3-oxo-5-isobenzofuranyl)-4-methyl-, 2-[[2-[[[(2R,3S,4R,5R,8R,10R,11R,12R,13S,14R)-2-ethyl-3,4,10,11-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadec-13-yl]oxy]-2-oxoethyl]amino]ethyl ester, (4E)- (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A

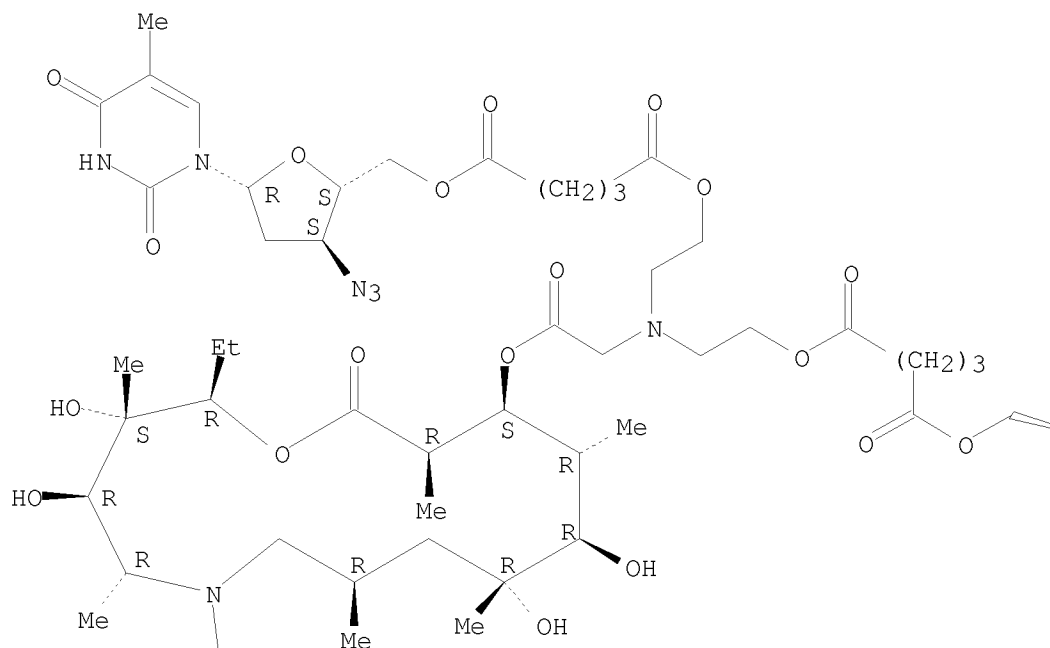


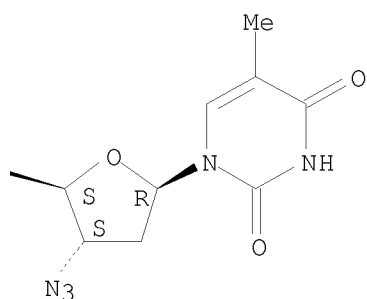


RN 586412-18-2 CAPLUS

CN Thymidine, 3'-azido-3'-deoxy-, 5',5'''-[[[2-
 [(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-2-ethyl-3,4,10,11-tetrahydroxy-
 3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadec-13-yl]oxy]-2-
 oxoethyl]imino]di-2,1-ethanediyl dipentanedioate] (9CI) (CA INDEX NAME)

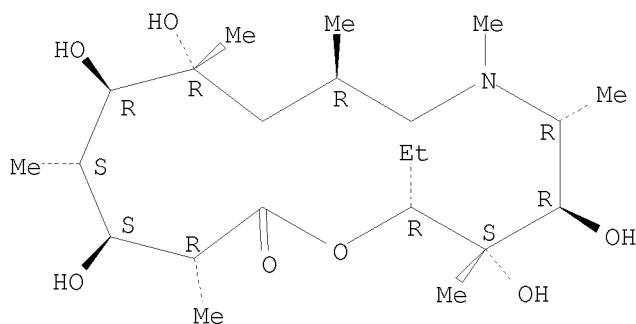
Absolute stereochemistry.





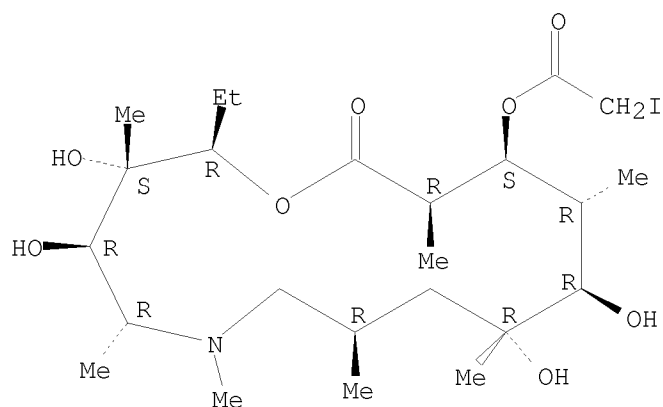
IT 117693-42-2P 586412-21-7P 586412-23-9P
 RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (macrolide erythromycin conjugates of biol. active compds. methods for their preparation and use formulation and pharmaceutical applications thereof)
 RN 117693-42-2 CAPLUS
 CN 1-Oxa-6-azacyclopentadecan-15-one,
 2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,
 (2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 586412-21-7 CAPLUS
 CN Acetic acid, 2-iodo-, (2R,3S,4R,5R,8R,10R,11R,12R,13S,14R)-2-ethyl-
 3,4,10,11-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-
 azacyclopentadec-13-yl ester (CA INDEX NAME)

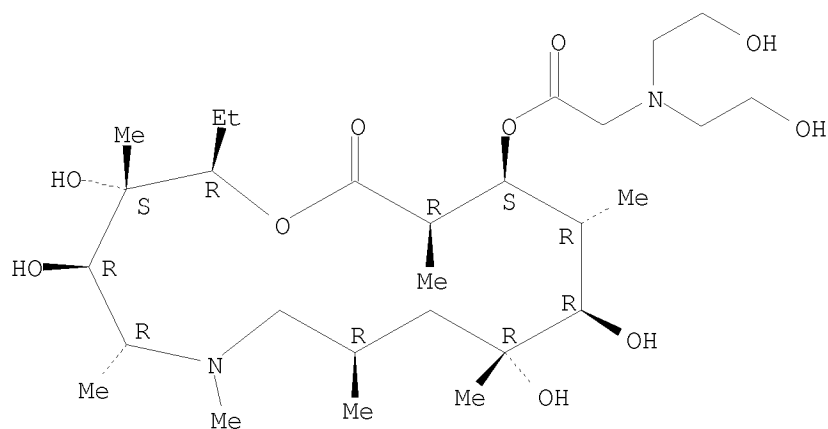
Absolute stereochemistry.



RN 586412-23-9 CAPLUS

CN Glycine, N,N-bis(2-hydroxyethyl)-, (2R,3S,4R,5R,8R,10R,11R,12R,13S,14R)-2-ethyl-3,4,10,11-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadec-13-yl ester (CA INDEX NAME)

Absolute stereochemistry.



IT **586411-61-2**

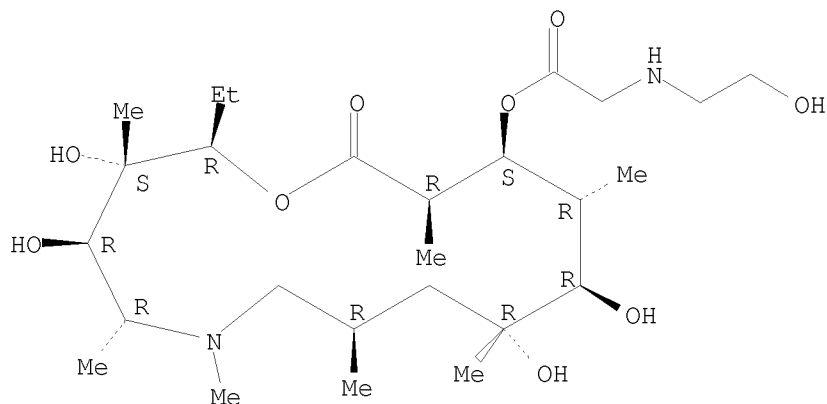
RL: RCT (Reactant); RACT (Reactant or reagent)

(macrolide erythromycin conjugates of biol. active compds. methods for their preparation and use formulation and pharmaceutical applications thereof)

RN 586411-61-2 CAPLUS

CN Glycine, N-(2-hydroxyethyl)-, (2R,3S,4R,5R,8R,10R,11R,12R,13S,14R)-2-ethyl-3,4,10,11-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadec-13-yl ester (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2000:534855 CAPLUS

DOCUMENT NUMBER: 133:120574

TITLE: Preparation of azalide azithromycins as antibacterial
and antitumor agents

INVENTOR(S): O'Connell, Thomas Noel; Morse, Brook Knight; McArthur,
Hamish Alastair Irvine; Dirlam, John Philip

PATENT ASSIGNEE(S): Pfizer Products Inc., USA

SOURCE: Eur. Pat. Appl., 36 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1024145	A2	20000802	EP 2000-300054	20000106
EP 1024145	A3	20010530		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2292359	A1	20000728	CA 1999-2292359	19991215
CA 2292359	C	20040928		
CA 2411293	A1	20000728	CA 1999-2411293	19991215
BR 2000000003	A	20010821	BR 2000-3	20000103
US 6270768	B1	20010807	US 2000-491254	20000126
JP 2000219697	A	20000808	JP 2000-20405	20000128
MX 2000001110	A	20010131	MX 2000-1110	20000131

PRIORITY APPLN. INFO.: US 1999-117631P P 19990128
CA 1999-2292359 A3 19991215

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 133:120574

IT **1100639-84-6**

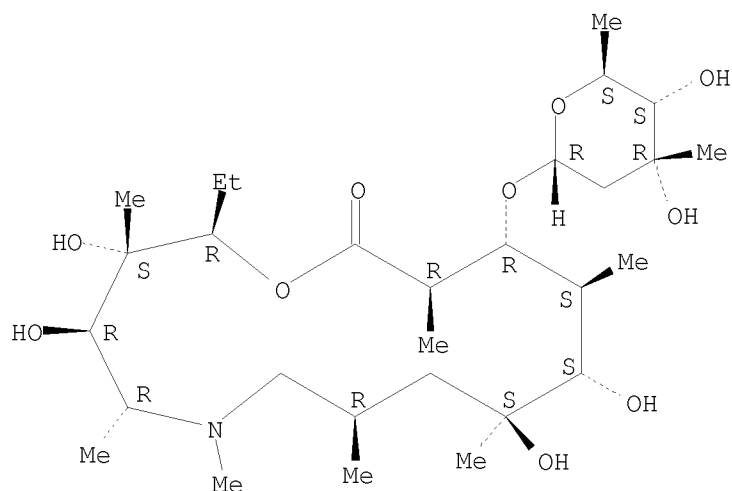
RL: PRPH (Prophetic)

(Preparation of azalide azithromycins as antibacterial and antitumor
agents)

RN 1100639-84-6 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.



IT **117693-42-2**

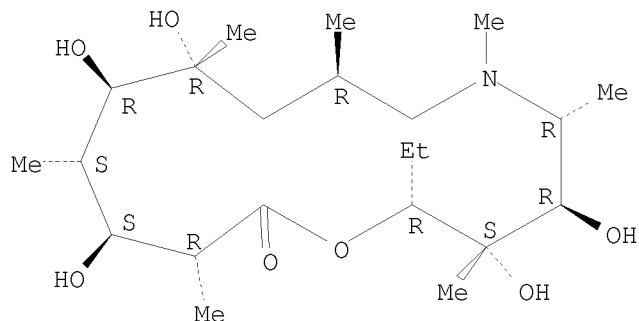
RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of azalide azithromycins as antibacterial and antitumor agents)

RN 117693-42-2 CAPLUS

CN 1-Oxa-6-azacyclopentadecan-15-one,
2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,
(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD
(5 CITINGS)
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1991:15318 CAPLUS

DOCUMENT NUMBER: 114:15318

ORIGINAL REFERENCE NO.: 114:2619a,2622a

TITLE: Structure of 10,10-dihydro-10-deoxy-10a-methyl-10a-aza-
10a-homoerythronolide A

AUTHOR(S): Kamenar, Boris; Mrvos-Sermek, Draginja; Vickovic,
Ivan; Nagl, Ante

CORPORATE SOURCE: Fac. Sci., Univ. Zagreb, Zagreb, 41001, Yugoslavia

SOURCE: Acta Crystallographica, Section C: Crystal Structure
Communications (1990), C46(10), 1964-6
CODEN: ACSCEE; ISSN: 0108-2701

DOCUMENT TYPE: Journal

LANGUAGE: English

IT **117693-42-2**

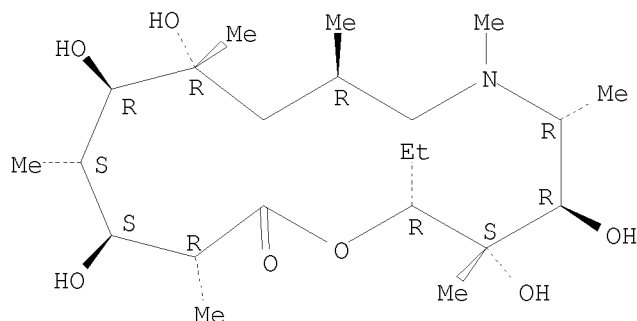
RL: PRP (Properties)

(crystal structure of)

RN 117693-42-2 CAPLUS

CN 1-Oxa-6-azacyclopentadecan-15-one,
2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,
(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)- (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1990:631098 CAPLUS

DOCUMENT NUMBER: 113:231098

ORIGINAL REFERENCE NO.: 113:38989a,38992a

TITLE: Preparation of 9-deoxy-9a-azahomoerythronolide A derivatives as antiinflammatories

INVENTOR(S): Djokic, Slobodan; Lopotar, Nevenka; Krnjivic, Gabrijela Kobrenel, H.; Carevic, Olga; Carevic, Olga

PATENT ASSIGNEE(S): SOUR PLIVA Farmaceutska, Kemijska, Prehrambena i Kozmeticka Industrija n.sol.o., Yugoslavia

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 23 pp. CODEN: CNXXEV

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1031703	A	19890315	CN 1988-103197	19880520
CN 1020452	C	19930505		
HU 47552	A2	19890328	HU 1988-1778	19880408
HU 198913	B	19891228		
US 4886792	A	19891212	US 1988-180491	19880412
DD 272647	A5	19891018	DD 1988-314705	19880413
CS 274462	B2	19910411	CS 1988-2533	19880413
CA 1296000	C	19920218	CA 1988-564025	19880413
RO 101119	B1	19920528	RO 1988-133069	19880414
RO 105811	B1	19921230	RO 1988-144712	19880414
PL 155159	B1	19911031	PL 1988-272025	19880422
RU 2007398	C1	19940215	RU 1988-4355672	19880516
JP 01287076	A	19891117	JP 1988-180450	19880721
CS 274497	B2	19910411	CS 1989-1816	19890323
PRIORITY APPLN. INFO.:			YU 1987-1631	A 19870903

YU 1988-85

A 19880118

CS 1988-2533

A3 19880413

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

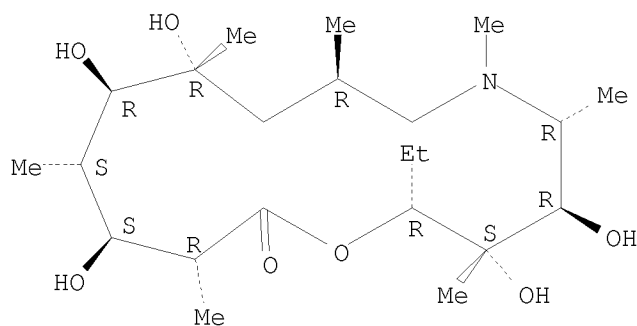
OTHER SOURCE(S): MARPAT 113:231098

IT 117693-42-2P 118382-93-7P 118456-11-4PRL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as antiinflammatory)

RN 117693-42-2 CAPLUS

CN 1-Oxa-6-azacyclopentadecan-15-one,
2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,
(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)- (CA INDEX NAME)

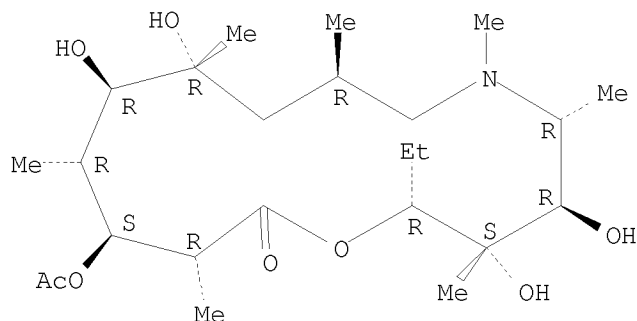
Absolute stereochemistry.



RN 118382-93-7 CAPLUS

CN 1-Oxa-6-azacyclopentadecan-15-one,
13-(acetyloxy)-2-ethyl-3,4,10,11-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-,
[2R-(2R*,3S*,4R*,5R*,8R*,10R*,11R*,12R*,13S*,14R*)]- (9CI) (CA INDEX
NAME)

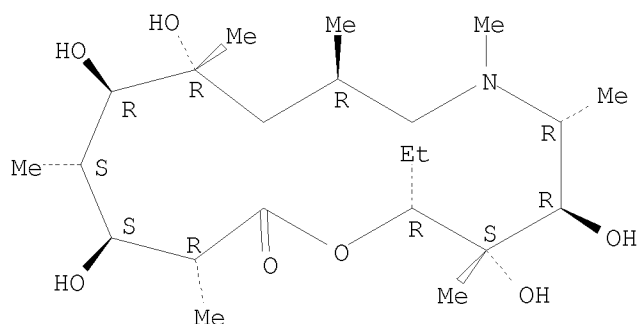
Absolute stereochemistry.



RN 118456-11-4 CAPLUS

CN 1-Oxa-6-azacyclopentadecan-15-one,
2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,
hydrochloride, [2R-(2R*,3S*,4R*,5R*,8R*,10R*,11R*,12S*,13S*,14R*)]- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



● HCl

OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD
(5 CITINGS)

L6 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1989:141630 CAPLUS

DOCUMENT NUMBER: 110:141630

ORIGINAL REFERENCE NO.: 110:23269a,23272a

TITLE: Reversed-phase HPLC analysis of the semisynthetic
macrolide antibiotic azithromycin

AUTHOR(S): Kovacic-Bosnjak, N.; Marincel, J.; Lopotar, N.;
Kobrehel, G.

CORPORATE SOURCE: Pliva, Res. Inst. Pharm., Chem., Food Cosmet. Ind.,
Zagreb, 41000, Yugoslavia

SOURCE: Chromatographia (1988), 25(11), 999-1003
CODEN: CHRGB7; ISSN: 0009-5893

DOCUMENT TYPE: Journal

LANGUAGE: English

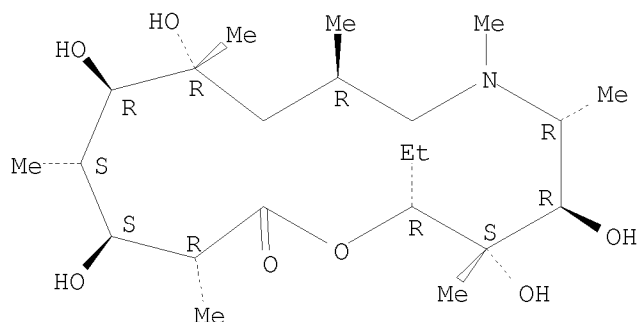
IT **117693-42-2**

RL: ANST (Analytical study)
(azithromycin separation from, by HPLC)

RN 117693-42-2 CAPLUS

CN 1-Oxa-6-azacyclopentadecan-15-one,
2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,
(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS
RECORD (11 CITINGS)

L6 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2011 ACS on STN
 ACCESSION NUMBER: 1989:57417 CAPLUS
 DOCUMENT NUMBER: 110:57417
 ORIGINAL REFERENCE NO.: 110:9493a,9496a
 TITLE: 10-Dihydro-10-deoxo-11-azaerythronolide A derivatives
 as antiinflammatory agents and their preparation
 INVENTOR(S): Djokic, Slobodan; Lopotar, Nevenka; Kobrehel,
 Gabrijela; Krnjevic, Hrvoje; Carevic, Olga
 PATENT ASSIGNEE(S): SOUR PLIVA Farmaceutska, Kemijska, Prehrambena i
 Kozmeticka Industrija n.sol.o., Yugoslavia
 SOURCE: Eur. Pat. Appl., 16 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 283055	A2	19880921	EP 1988-105626	19880408
EP 283055	A3	19890315		
EP 283055	B1	19900829		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
HU 47552	A2	19890328	HU 1988-1778	19880408
HU 198913	B	19891228		
AT 55999	T	19900915	AT 1988-105626	19880408
US 4886792	A	19891212	US 1988-180491	19880412
DD 272647	A5	19891018	DD 1988-314705	19880413
CS 274462	B2	19910411	CS 1988-2533	19880413
CA 1296000	C	19920218	CA 1988-564025	19880413
RO 101119	B1	19920528	RO 1988-133069	19880414
RO 105811	B1	19921230	RO 1988-144712	19880414
PL 155159	B1	19911031	PL 1988-272025	19880422
RU 2007398	C1	19940215	RU 1988-4355672	19880516
JP 01287076	A	19891117	JP 1988-180450	19880721
CS 274497	B2	19910411	CS 1989-1816	19890323
PRIORITY APPLN. INFO.:			YU 1987-1631	A 19870903
			YU 1988-85	A 19880118
			EP 1988-105626	A 19880408
			CS 1988-2533	A3 19880413

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 110:57417

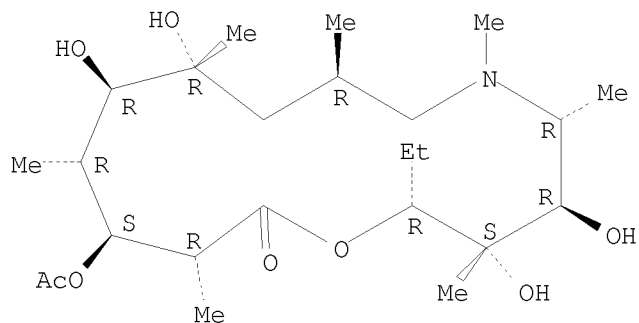
IT **118382-93-7P** **118456-11-4P**

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as antiinflammatory agent)

RN 118382-93-7 CAPLUS

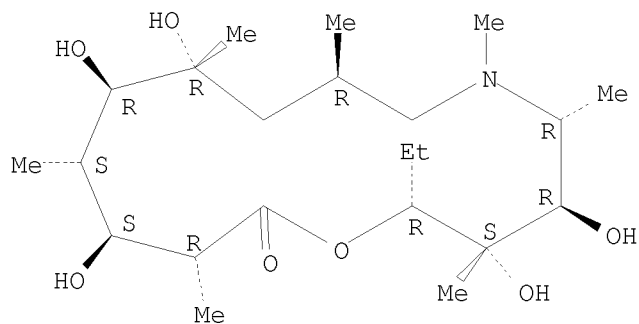
CN 1-Oxa-6-azacyclopentadecan-15-one,
 13-(acetyloxy)-2-ethyl-3,4,10,11-tetrahydroxy-3,5,6,8,10,12,14-heptamethyl-
 , [2R-(2R*,3S*,4R*,5R*,8R*,10R*,11R*,12R*,13S*,14R*)]- (9CI) (CA INDEX
 NAME)

Absolute stereochemistry.



RN 118456-11-4 CAPLUS
 CN 1-Oxa-6-azacyclopentadecan-15-one,
 2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,
 hydrochloride, [2R-(2R*,3S*,4R*,5R*,8R*,10R*,11R*,12S*,13S*,14R*)]- (9CI)
 (CA INDEX NAME)

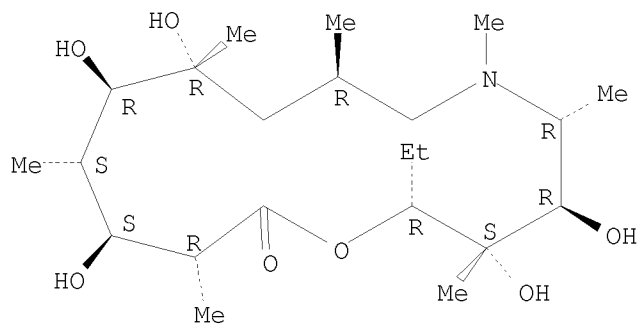
Absolute stereochemistry.



● HCl

IT **117693-42-2**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, in preparation of antiinflammatory agent)
 RN 117693-42-2 CAPLUS
 CN 1-Oxa-6-azacyclopentadecan-15-one,
 2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,
 (2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)

L6 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1989:8535 CAPLUS

DOCUMENT NUMBER: 110:8535

ORIGINAL REFERENCE NO.: 110:1571a,1574a

TITLE: Erythromycin series. Part 13. Synthesis and structure elucidation of 10-dihydro-10-deoxo-11-methyl-11-azaerythromycin A
AUTHOR(S): Djokic, Slobodan; Kobrehel, Gabrijela; Lopotar, Nevenka; Kamenar, Boris; Nagl, Ante; Mrvos, Draginja
CORPORATE SOURCE: Pharm., Chem., Food Cosmet. Ind., Res. Inst., PLIVA, Zagreb, 41001, Yugoslavia

SOURCE: Journal of Chemical Research, Synopses (1988), (5), 152-3

CODEN: JRPSDC; ISSN: 0308-2342

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 110:8535

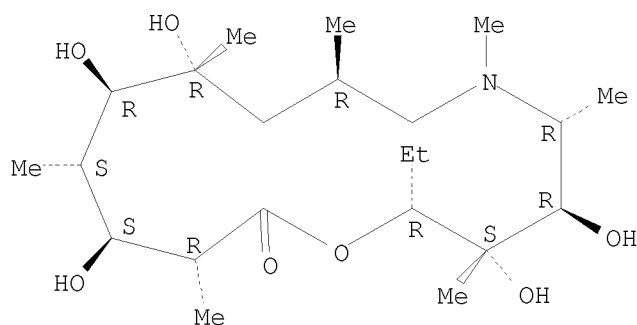
IT **117693-42-2P**

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 117693-42-2 CAPLUS

CN 1-Oxa-6-azacyclopentadecan-15-one,
2-ethyl-3,4,10,11,13-pentahydroxy-3,5,6,8,10,12,14-heptamethyl-,
(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 17 THERE ARE 17 CAPLUS RECORDS THAT CITE THIS RECORD (17 CITINGS)